

December 10, 2014

Ms. Michele Dermer
EPA Region 9, WTR-9
75 Hawthorne St.
San Francisco, CA 94105

RE: EPA Form 7520-9 and Attachments (Phase 2 Submittal)
Class V Experimental Well, Permit No. R9UIC-CAS5-FY13-1
PG&E Test Injection/Withdrawal Well 1
King Island, San Joaquin County, California

Dear Michele:

Enclosed is the Phase 2 submittal of EPA Form 7520-9 (Completion Form for Injection Wells) and Attachments for the PG&E Test Injection/Withdrawal Well 1 (I/W Well) associated with the PG&E Compressed Air Energy Storage (CAES) feasibility study project. This submittal has been prepared in compliance with the requirements of Part II, Section B.9 of the UIC Permit R9UIC-CA5-FY13-1.

As explained in the November 25, 2014 transmittal letter for the Phase 1 submittal of Form 7520-9 and attachments (delivered to EPA on November 26, 2014), data that had not yet been collected would be delivered to EPA in a subsequent submittal in early December 2014. These data, collected from November 20-25, are provided in this Phase 2 submittal. The location of the additional information/data in the Phase 2 submittal is provided in the table below:

Information / Data Required	Location of Information / Data in 7520-9 Submittal	
	Attachment, Section	Appendix
Chemical characteristics of formation fluid (attach chemical analysis)	Attachment I, Section 1.C	Appendix I-1
Well Summary Report and History of Oil or Gas Well for the I/W Well	Attachment II	Appendix II-1
Data on well stimulation	Attachment II, Section 6	
As-built diagrammatic sketch of the I/W Well	Attachment VI, Section 1	Appendix VI-1
Data demonstrating mechanical integrity in I/W Well and Piacentine 1-27	Attachment VII, Section 1	Appendix VII-1

In addition, two Piping and Instrumentation Diagrams (P&IDs) that were provided as drafts in the Phase I submittal have been finalized. The P&ID drawing numbers and 7520-9 appendices in which they are located are as follows:

- P00-02-001 (Appendix IV-1)
- P00-02-002 (Appendices III-4 and IV-2)

The Phase 2 submittal is a complete resubmittal of the Form 7520-9 package, including a signed and dated Form 7520-9 and all attachments, figures, tables and appendices.

Please note that the Phase 1 submittal dated November 25, 2014 included in Appendix V-6b the Step Rate Test (SRT) and Initial Fall Off Test (FOT) Report, which complies with Part II.B.3.b.viii and Part II.B.3.c. of the UIC Permit that require test results be submitted to the EPA within 30 days of the test.

The Phase 2 submittal of EPA Form 7520-9 and Attachments is enclosed in the form of two hard copies and a Data CD with the PDF files. In addition, PG&E has created a Dropbox folder containing all of the information provided on the Data CD that can be accessed at the following link:

<https://www.dropbox.com/sh/fchjl8n3bm6mo6i/AAC6fMsjl19M58KPQKVLPH9Ra?dl=0>.

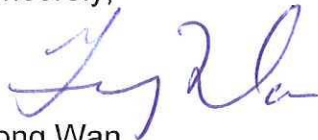
The Data CD and Dropbox folder will also include a PDF of the Phase 2 submittal text with the additional information shown in redline.

If you have any questions regarding this submittal or require additional information, please feel free to contact Mike Medeiros, Manager of Renewable Energy Development, at (415) 973-6270. Please send any correspondence regarding this submittal to Mike at:

Mike Medeiros
Manager, Renewable Energy Development
Pacific Gas and Electric Company
P.O. Box 770000, Mail Code N13W
San Francisco, CA 94177

Thank you for your consideration.

Sincerely,



Fong Wan
Senior Vice President, Energy Procurement

Cc: Mr. James Walker, EPA Consultant
Mr. Michael Woods, Division of Oil, Gas and Geothermal Resources
Ms. Anne L. Olson, Central Valley Regional Water Quality Control Board

Enclosures (2)
Hard Copy (2)
Data CD (1)